

Claims

[c1] *Sub A1* A method for operating a temperature controlled device, said method comprising the steps of:
 detecting a human presence status; and *defined as a unit for storing control parameters*
 controlling a temperature of the temperature controlled device based upon the detected status.

Sub D [c2] A method according to Claim 1 wherein said step of detecting a human presence status comprises the step of detecting a human presence status utilizing at least one of a motion detector, an infrared sensor, and a vibration sensor.

[c3] *NO* A method according to Claim 1 wherein said step of detecting a human presence status comprises the step of detecting a human presence utilizing a motion detector.

[c4] *NO* A method according to Claim 1 wherein said step of detecting a human presence status comprises the step of detecting a human presence status in an area proximate to the temperature controlled device.

[c5] *NO* A method according to Claim 1 wherein said step of detecting a human presence comprises the step of detecting a human presence in an area distant to the temperature controlled device.

[c6] *NO* *Sub A2* A method according to Claim 1 wherein said step of controlling a temperature comprises the steps of:
 specifying a first temperature of the temperature controlled device comprising a cooling device when the detected status is human present; and
 specifying a second temperature of the temperature controlled device when the detected status is human absent, the second temperature higher than the first temperature.

[c7] *NO* A method according to Claim 1 wherein said step of controlling a temperature comprises the steps of:
 specifying a first temperature of the temperature controlled device comprising a cooling device when the detected status is human present; and

specifying a second temperature of the temperature controlled device after detecting a human absent status for a predetermined period of time, the second temperature higher than the first temperature.

- [c8] NO A method according to Claim 1 wherein said step of controlling a temperature comprises the step of turning off the temperature controlled device when the detected status is human absent.
- [c9] NO A method according to Claim 1 wherein said step of controlling a temperature comprises the step of turning off the temperature controlled device after detecting a human absent status for a predetermined period of time.
- [c10] NO A method according to Claim 1 wherein said step of controlling a temperature comprises the steps of:
 specifying a temperature of the temperature controlled device when the detected status is human present; and
 turning off the temperature controlled device when the detected status is human absent.
- [c11] NO A method according to Claim 1 wherein said step of controlling a temperature comprises the steps of:
 specifying a temperature of the temperature controlled device when the detected status is human present; and
 turning off the temperature controlled device after detecting a human absent status for a predetermined period of time.
- [c12] NO A method according to Claim 1 wherein said step of controlling a temperature comprises the steps of:
 specifying a first temperature of the temperature controlled device comprising a heating device when the detected status is human present; and
 specifying a second temperature of the temperature controlled device when the detected status is human absent, the second temperature lower than the first temperature.
- [c13] A method according to Claim 1 wherein said step of controlling a temperature comprises the steps of:

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[c14]

[c1 5]

[c1 6]

[c1 7]

[c] 8

[c19]

[c20]

[c21]

control the temperature controlled device based on a human presence status.

Sub D
[c22]

NO A control unit according to Claim 21 wherein said control unit further configured to:

control the temperature controlled device at a first temperature when said human detector detects a human present status; and

control the temperature controlled device at a second temperature when said human detector detects a human absent status.

[c23] NO A control unit according to Claim 22 wherein said second temperature higher than said first temperature.

[c24] NO A control unit according to Claim 22 wherein said second temperature lower than said first temperature.

[c25] NO A control unit according to Claim 19 wherein said detector configured to detect a human presence status in an area proximate said control unit.

[c26] NO A control unit according to Claim 19 wherein said detector configured to detect a human presence status in an area distant said control unit.

[c27] NO A control unit according to Claim 21 wherein said control unit further configured to:
control the temperature controlled device at a first temperature when said human detector detects a human present status; and
control the temperature controlled device at a second temperature after said human detector detects a human absent status for a predetermined period of time.

[c28] NO A control unit according to Claim 21 wherein said control unit further configured to:
control the temperature controlled device at a first temperature when said human detector detects a human present status; and
turn off the temperature controlled device when said human detector detects a human absent status.

[c29] NO A control unit according to Claim 21 wherein said control unit further

configured to:

control the temperature controlled device at a first temperature when said

human detector detects a human present status; and

turn off the temperature controlled device after said human detector detects a

human absent status for a predetermined period of time.

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